Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently Amended) A method of predicting sudden cardiac death in a patient, the method comprising:

acquiring patient data from a plurality of medical equipment databases with a set of acquisition devices;

comparing the patient data to stored patterns to determine a measurement with an analysis module;

comparing the measurement to a range to determine a correlation with a decision support module, wherein the correlation reflects a level of heart disease; ~~and~~

diagnosing a sudden cardiac death risk score with a diagnosis module; and

generating a single report based on the patient data, wherein the single report includes the sudden cardiac death risk score and a set of electrocardiogram data, an electrocardiogram pattern, an electrocardiogram correlation, an electrocardiogram measurement, image data, an image pattern, an image correlation, an image measurement, a mathematical measurement, a parameter value, and a range.

Claims 2-8.   (Cancelled)

9.   (Previously Presented) The method of claim 1 and further comprising diagnosing the sudden cardiac death risk score based on at least one of an image correlation, an electrocardiogram correlation, and a mathematical correlation.

Claims 10-11.   (Cancelled)

12.   (Currently Amended) A computer program embodied by a computer readable medium capable of being executed by a computer, the computer program for use in a sudden cardiac death prediction system, the computer program comprising:

an acquisition module that communicates over a network to acquire patient data from plurality of medical equipment databases;

an analysis module that analyzes the patient data and calculates a plurality of measurements;

a decision support module that analyzes the plurality of measurements and determines a level of heart disease;

a diagnosis module that provides a medical diagnosis and sudden cardiac death prediction score based on the level of heart disease; and

a report module that provides a single report including at least the sudden cardiac death prediction score, and further wherein the single report includes a set of electrocardiogram data, an electrocardiogram pattern, an electrocardiogram correlation, an electrocardiogram measurement, image data, an image pattern, an image correlation, an image measurement, a mathematical measurement, a parameter value, and a range.

13.   (Currently Amended) The computer program of claim 12 wherein the report module provides a single report further includesincluding at least one of the electrocardiogram data, an electrocardiogram pattern, an electrocardiogram correlation, an electrocardiogram measurement, image data, an image pattern, an image correlation, an image measurement, a diagnosis, a recommended treatment, a recommended follow-up test, a mathematical measurement, a range, a patient identifier, a patient history, and a physician identifier.

14.   (Original) The computer program of claim 12, wherein the analysis module includes a pattern recognition module, the pattern recognition module accessing at east one of the electrocardiogram patterns and image patterns.

15.   (Original) The computer program of claim 12 wherein the analysis module includes a mathematical relationship module.

16.   (Cancelled)

17.   (Previously Presented) A method of displaying a prediction of sudden cardiac death, the method comprising:

generating a single report based on data acquired from a plurality of medical devices,

the single report including a patient history and a physician identifier;

the single report including a set of electrocardiogram data, an electrocardiogram pattern, an electrocardiogram correlation, an electrocardiogram measurement, image data, an image pattern, an image correlation, an image measurement, a mathematical measurement, a parameter value, and a range; and

the single report including at least one of a sudden cardiac death risk score, a diagnosis, a recommended treatment, and a recommended follow-up test; and

displaying the single report for review by medical personnel.

18.   (Currently Amended) A sudden cardiac death prediction system comprising:

an acquisition module connected to a plurality of inputs for receiving patient data and image data from a plurality of databases;

means for analyzing the patient data and the image data to calculate a plurality of measurements;

a decision support module that analyzes the plurality of measurements and determines a level of heart disease; and

a diagnosis module to generate a sudden cardiac death prediction score based on the level of heart disease; and

a report module that provides a single report including at least the sudden cardiac death prediction score, and further wherein the single report includes a set of electrocardiogram data, an electrocardiogram pattern, an electrocardiogram correlation, an electrocardiogram measurement, image data, an image pattern, an image correlation, an image measurement, a mathematical measurement, a parameter value, and a range.

19.   (Cancelled)

20.   (Currently Amended) A medical device for determining a risk of sudden cardiac death, the medical device comprising:

an acquisition module operable to acquire ECG data and image data; and

an analysis module operable to calculate a plurality of measurements based upon the ECG data and the image data;

a decision support module that analyzes the plurality of measurements and determines a level of heart disease; and

a diagnosis module to generate a sudden cardiac death score based on the level of heart disease; and

a report that provides a single report including at least the sudden cardiac death prediction score, and further wherein the single report includes a set of electrocardiogram data, an electrocardiogram pattern, an electrocardiogram correlation, an electrocardiogram measurement, image data, an image pattern, an image correlation, an image measurement, a mathematical measurement, a parameter value, and a range.